## **Recovery Plan Action Status**

Plan Name: Gulf Sturgeon

Plan Status: Final Plan Date: 22-Sep-95 Lead Agency: Joint

Lead Office Panama City Ecological Services Field Office 769-0552)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	1.1.1	Conduct and refine field investigations to locate important spawning, feeding, and developmental habitats.	Partially Complete	FY 1995 - FY 1999		University of Florida, National Biological Service , Corps of Engineers, Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies, Caribbean Conservation Corporation	Research: Demographic Studies, Research: Habitat Requirements, Research: Habitat Status, Research: Migration, Research: Population Surveys	Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	1995 costs - FWS 7, other parties 96; 1996 costs - FWS 60, other parties 96; 1997 costs - FWS 73, other parties 117; 1998 costs - FWS 73, other parties 119; 1999 costs - FWS 76, other parties 119; Tasks 1.1.1, 1.3.1, 2.5.1, and 1.5.1 can be conducted concurrently
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	1.1.2	Characterize riverine, estuarine, and neritic areas that provide essential habitat	Partially Complete	FY 1995 - FY 1999			Research: Habitat Requirements, Research: Habitat Status	Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	1995 costs - FWS 5, other parties 50; 1996 costs - FWS 20, other parties 70; 1997 costs - FWS 70, other parties 63; 1998 costs - FWS 70, other parties 63; 1999 costs - FWS 10, other parties 63; Tasks 1.1.1 and 1.1.2 can be conducted concurrently

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	1.2	Conduct life history studies on the biological and ecological requirements of little known or inadequately sampled life stages	Partially Complete	FY 1995 - FY 1999		National Biological Service , Region 4 - Fisheries Resource Office - Panama City, Gulf States Resource Management Agencies, Caribbean Conservation Corporation	Research: Competition, Research: Demographic Studies, Research: Habitat Requirements, Research: Migration, Research: Population Surveys, Research: Predation	Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	1995 costs - FWS 5, other parties 55; 1996 costs - FWS 20, other parties 55; 1997 costs - FWS 20, other parties 68; 1998 costs - FWS 40, other parties 68; 1999 costs - FWS 40, other parties 68; Tasks 1.1.1, 1.1.2, and 1.2 can be conducted concurrently
Gulf sturgeon (Acipenser oxyrinchus desotoi)	1	1.3.1	Develop and implement standardized population sampling and monitoring techniques	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Corps of Engineers, Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Gulf States Resource Management Agencies	Research: Population Assessment	Internal Field Assistance	In 2009, sturgeon that are summering in the Apalachicola system are being tagged for a mark-recapture study. Data collected will be used to estimate the population of sturgeon that summer in the Apalachicola River to determine if the species is stable, increasing, or decreasing in that watershed.
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	1.3.2	Develop population models	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), National Biological Service , Nongovernmental Organizations, Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Gulf States Resource Management Agencies	Research: Other Information, Research: Population Surveys	Contract, Internal Technical Assistance	1996 costs - FWS 20, other parties 27; 1997 costs - FWS 10, other parties 27; 1998 costs - FWS 20, other parties 0

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	1.4.1	Continue culture of Gulf sturgeon	Ongoing Current	FY 1995 - FY 1999		University of Florida, Alabama Department of Conservation and Natural Resources, National Biological Service , Louisiana Department of Wildlife and Fisheries , Region 4 - Fisheries Resource Office - Panama City, Region 4 - Welaka National Fish Hatchery, Region 4 - Warm Springs Regional Fisheries Center	Management: Propagation, Research: Management Techniques	Contract, Internal Field Assistance, Internal Technical Assistance	1995 costs - FWS 6, other parties 13; 1996 costs - FWS 58, other parties 13; 1997 costs - FWS 58, other parties 17; 1998 costs - FWS 58, other parties 22; 1999 costs - FWS 58, other parties 22
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	1.4.2	Identify physical, chemical and biological parameters necessary to maintain growth, health, and survival of fish reared under artificial conditions	Ongoing Current	FY 1995 - FY 1999			·	Contract, Internal Field Assistance, Internal Technical Assistance	1995 costs - FWS 10, other parties 21; 1996 costs - FWS 25, other parties 21; 1997 costs - FWS 30, other parties 28; 1998 costs - FWS 30, other parties 28; 1999 costs - FWS 30, other parties 20; Continuation of this effort dependent on the outcome of 2.5.1
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	1.4.3	ID and test non- generic internal and external markers or techniques to differentiate wild and hatchery produced Gulf sturgeon	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Gulf States Resource Management Agencies, Caribbean Conservation Corporation	Research: Management Techniques, Research: Reintroduction	Internal Field Assistance, Internal Technical Assistance	1996 costs - FWS 30, other parties 11; 1997 costs - FWS 30, other parties 11; Funding this task dependent upon task 1.4.3 decision

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	1.5.1	Conduct a Gulfwide genetic assessment to determine geographically distinct management units	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Nongovernmental Organizations, Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies	Research: Genetics	Graduate Student, Internal Field Assistance, Internal Technical Assistance	1996 costs - FWS 25, other parties 5; 1997 costs - FWS 66, other parties 102; Majority of samples and analyses completed 1995. Will continue to completion.
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	1.5.2	Assess the potential to develop genetic markers to differentiate wild and hatchery-produced Gulf sturgeon	Ongoing Current	FY 1995 - FY 1999		University of Florida, U.S. National Marine Fisheries Service (NOAA Fisheries), Region 4 - Ecological Services, Region 4 - Fisheries	Research: Genetics, Research: Management Techniques	Graduate Student	1996 costs - FWS 50, other parties 20; 1997 costs - FWS 50, other parties 20; Continuation of this effort dependent on task 1.4.3 decision
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	2.1.1	Increase effectiveness and enforcement of state and federal take prohibitions	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), Region 4 - Ecological Services, Region 4 - Law Enforcement, Region 4 - Fisheries, Gulf States Resource Management Agencies	Other: Law Enforcement, Other: Regulations, Research: Genetics		1995 costs - FWS 75, other parties 255; 1996 costs - FWS 75, other parties 255; 1997 costs - FWS 75, other parties 255; 1998 costs - FWS 75, other parties 255; 1999 costs - FWS 75, other parties 255; Section 7 consultation will be conducted under existing programs. Add. Monitoring or law personnel may be necessary.
Gulf sturgeon (Acipenser oxyrinchus desotoi)	1	2.1.2	Reduce or eliminate incidental mortality	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), Region 4 - Ecological Services, Region 4 - Fisheries Resource Office - Panama City, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Other: Information and Education	Internal Technical Assistance	1995 costs - FWS 15, other parties 110; 1996 costs - FWS 15, other parties 110; 1997 costs - FWS 15, other parties 110; 1998 costs - other parties 75; 1999 costs - other parties 25; Majority of funding for fish excluder devices & sampling protocols

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	2.2.1	Identify potentially harmful chemical contaminant and water quality and quantity changes associated with surface water restrictions	Ongoing Current	FY 1995 - FY 1999		U.S. Environmental Protection Agency, Region 4 - Ecological Services - Panama City, Gulf States Resource Management Agencies	Research: Environmental Contaminants, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques	Internal Field Assistance, Internal Technical Assistance	1995 costs - FWS 25, other parties 50; 1996 costs - FWS 15, other parties 110; 1997 costs - FWS 75, other parties 0; Cost and time to complete year 2 efforts will be dependent on information collection in year 1
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	2.2.2	Identify and eliminate potentially harmful point and non-point sources of chemical contaminants	Ongoing Current	FY 1995 - FY 1999		U.S. Environmental Protection Agency, Natural Resource Conservation Service, Region 4 - Ecological Services - Panama City, Gulf States Resource Management Agencies	Research: Environmental Contaminants	Internal Technical Assistance	1996 costs - FWS 20, other parties 38; 1997 costs - FWS 25, other parties 55; 1998 costs - FWS 25, other parties 0; 1999 costs - FWS 25, other parties 0
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	2.2.3	Assess selected contaminant levels in Gulf sturgeon from management units	Ongoing Current	Prior to FY 1995		U.S. Environmental Protection Agency, Region 4 - Ecological Services, Region 4 - Fisheries, Gulf States Resource Management Agencies	Research: Environmental Contaminants	Contract, Internal Field Assistance, Internal Technical Assistance	1995 costs - FWS 15, other parties 0; 1996 costs - FWS 30, other parties 30; 1997 costs - FWS 30, other parties 30; 1998 costs - FWS 10, other parties 25; Study on adult fish across FL panhandle completed 1994. Study on juvenile fish, Suwannee River completed 1995.
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	2.2.4	Identify and eliminate known and potential impacts to water quantity and quality associated with existing and proposed developments, agricultural uses, and water diversions in management units	Ongoing Current	FY 1995 - FY 1999		U.S. Environmental Protection Agency, National Biological Service , Region 4 - Ecological Services, Natural Resource Conservation Service, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies	Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques	Internal Field Assistance, Internal Technical Assistance	1995 costs - FWS 2, other parties 12; 1996 costs - FWS 10, other parties 33; 1997 costs - FWS 75, other parties 33; 1998 costs - FWS 75, other parties 25; 1999 costs - FWS 75, other parties 20; Amount of effort will be determined by outcome of task 2.2.1

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	2.2.5	Assess the relationship between groundwater pumping and reduction of groundwater flows into management units, and quantify loss of riverine habitat related to reduced groundwater inflows	Ongoing Current	FY 1995 - FY 1999		U.S. Geological Survey, Georgia Department of Natural Resources, Region 4 - Ecological Services	Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques	Internal Field Assistance, Internal Technical Assistance	1997 costs - FWS 0, other parties 252; 1998 costs - FWS 0, other parties 125; Mostly funded under the Tri-state Comp Study - AL, GA, FL
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	2.2.6	Conduct studies to determine the effects of known chemical contaminants in water from management units on Gulf sturgeon or a surrogate species	Ongoing Current	FY 1995 - FY 1999		U.S. Environmental Protection Agency, National Biological Service , Region 4 - Ecological Services - Panama City, Region 4 - Welaka National Fish Hatchery, Region 4 - Warm Springs Regional Fisheries Center	Research: Environmental Contaminants	Internal Field Assistance, Internal Technical Assistance	1996 costs - FWS 80, other parties 15; 1997 costs - FWS 80, other parties 15; 1998 costs - FWS 75, other parties 0; 1999 costs - FWS 75, other parties 0; WNFH & NBS may provide specimens for the studies
Gulf sturgeon (Acipenser oxyrinchus desotoi)	1	2.3.1	Utilize existing authorities to protect habitat and where inadequate, recommend new incentives, laws, and regulations	Ongoing Current	FY 1995 - FY 1999		U.S. Environmental Protection Agency, Corps of Engineers, Region 4 - Ecological Services, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Other: Regulations	Internal Technical Assistance	1995 costs - FWS 8, other parties 21; 1996 costs - FWS 8, other parties 21; 1997 costs - FWS 8, other parties 21; 1998 costs - FWS 8, other parties 21; Section 7 consultation to be conducted with existing program funds.

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	2.3.2	Identify, protect, and/or acquire appropriate land or aquatic habitats on an ecosystem approach	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), National Biological Service , Nongovernmental Organizations, Region 4 - Refuges (Wildlife Resources), Region 4 - Ecological Services - Panama City, Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies	Acquisition, Management: Planning	Internal Technical Assistance	ID conducted with other studies. Land acquis. & water rights costs undeterminable
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	2.4.1	Identify dam and lock sites that offer the greatest feasibility for successful restoration of and to essential habitats	Ongoing Current	FY 1995 - FY 1999		Corps of Engineers, Region 4 - Ecological Services - Panama City, Region 4 - Fisheries Resource Office - Panama City, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Research: Habitat Requirements, Research: Habitat Status, Research: Migration	Internal Field Assistance, Internal Technical Assistance	1997 costs - FWS 7, other parties 45
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	2.4.2	Evaluate, design, and provide means for Gulf sturgeon to bypass migration restrictions to essential habitats	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), U.S. Federal Energy Regulatory Commission, Corps of Engineers, Region 4 - Ecological Services, Region 4 - Fisheries	Management: Habitat Maintenance and Manipulation, Research: Management Techniques, Research: Migration	Internal Technical Assistance	1996 costs - FWS 0, other parties 20; 1997 costs - FWS 0, other parties 50; 1998 costs - FWS 0, other parties 50; 1999 costs - FWS 0, other parties 50; FWS & NMFS funded under exist. Progs. Studies conducted or infrastructure funded by COE & FERC. May req. Congress. auth. & non-Fed sponsor

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	2.4.3	Operate and/or modify dams to restore the benefits of historical flow patterns and processes of sedimentation	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), U.S. Federal Energy Regulatory Commission, Corps of Engineers, Region 4 - Ecological Services, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Marine Fisheries Commission	Management: Habitat Maintenance and Manipulation, Research: Management Techniques	Internal Technical Assistance	Some funding under existing programs. Project mod. Costs undeterm. May require Congress. Authority & non-Federal sponsor.
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	2.4.4	Identify potential modifications to specific navigation projects to minimize impacts which alter riverine habitats or modify thermal or substrate characteristics of those habitats	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), U.S. Federal Energy Regulatory Commission, Corps of Engineers, Region 4 - Ecological Services, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Management: Habitat Maintenance and Manipulation, Research: Habitat Requirements, Research: Management Techniques, Research: Migration, Research: Population Surveys	Internal Technical Assistance	1996 costs - FWS 15, other parties 35; 1997 costs - FWS 15, other parties 35; 1998 costs - FWS 6, other parties 18; Some funding under existing programs. Proj. mod. Costs undetermined and may require Congress. Author. & non-federal sponsor
Gulf sturgeon (Acipenser oxyrinchus desotoi)	1	2.4.5	Restore the benefits of natural riverine habitats	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Corps of Engineers, Region 4 - Ecological Services, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies	Acquisition, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning	Internal Field Assistance, Internal Technical Assistance	1995 costs - FWS 6, other parties 20; 1996 costs - FWS 14, other parties 34; 1997 costs - FWS 14, other parties 34; 1998 costs - FWS 28, other parties 3; Work funded under existing programs. Actual restoration costs undetermined.

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	2.4.6	Seek optimum consistency between the purposes of federal and state authorized reservoirs, flood control, navigation, and hydropower projects and federal and state mandated restorations of fish populations	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), U.S. Federal Energy Regulatory Commission, Corps of Engineers, Region 4 - Ecological Services, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Marine Fisheries Commission	Management: Habitat Maintenance and Manipulation, Management: Planning, Research: Habitat Requirements, Research: Management Techniques	Internal Technical Assistance	1996 costs - FWS 0, other parties 10; 1997 costs - FWS 0, other parties 5; 1998 costs - FWS 0, other parties 5; 1999 costs - FWS 0, other parties 5; Most agency related work funded under existing programs
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	2.5.1	Evaluate the need to stock hatchery produced Gulf sturgeon considering habitat suitability and current population status	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Region 4 - Ecological Services - Panama City, Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies	Management: Planning, Research: Propagation	Internal Technical Assistance	1995 costs - FWS 4, other parties 13; 1996 costs - FWS 6, other parties 18; 1997 costs - FWS 9, other parties 14; 1998 costs - FWS 14, other parties 14; 1999 costs - FWS 14, other parties 14; 1999 costs - FWS 14, other parties 23; Tasks 1.1.1, 1.3.1, 2.5.1, and 1.5.1 can be conducted concurrently
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	2.5.2	Develop policy and guidelines for hatchery and culture operations related to stocking	Ongoing Current	FY 1995 - FY 1999		University of Florida, National Biological Service , Region 4 - Ecological Services - Panama City, Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Management: Planning, Research: Propagation, Research: Reintroduction	Internal Technical Assistance	1996 costs - FWS 12, other parties 8; 1999 costs - FWS 25, other parties 23; Conducting this effort will be dependent on the outcome of 2.5.1

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	1	2.5.3	Develop and implement a regulatory framework to eliminate accidental and international introductions of non-indigenous stock or other sturgeon species	Ongoing Current	FY 1995 - FY 1999		University of Florida, National Biological Service , Region 4 - Ecological Services - Panama City, Region 4 - Fisheries, Region 4 - Fisheries Resource Office - Panama City, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Other: Information and Education, Other: Regulations	Internal Technical Assistance	1996 costs - FWS 17, other parties - 8; Some of this effort will be dependent on the outcome of 2.3.1
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	3.1	Coordinate research and recovery actions	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Region 4 - Ecological Services, Region 4 - Fisheries, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Marine Fisheries Commission	Management: Planning, Other: Information and Education, Research	Internal Technical Assistance	1995 costs - FWS 5, other parties 5; 1996 costs - FWS 20, other parties 17; 1997 costs - FWS 5, other parties 5; 1998 costs - FWS 20, other parties 17; 1999 costs - FWS 5, other parties 5; Funding for biennial workshops
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	3.2	Develop an effective communication program or network to obtain and disseminate information on recovery actions and research results	Ongoing Current	FY 1995 - FY 1999		Cooperative Extension Service, Region 4 - Ecological Services, Gulf States Marine Fisheries Commission	Management: Planning, Other: Information and Education	Internal Technical Assistance	1996 costs - FWS 5, other parties 7; 1997 costs - FWS 5, other parties 7; 1998 costs - FWS 5, other parties 7; 1999 costs - FWS 5, other parties 7; Funding for producing and distributing quarterly newsletters

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	3.3	Develop a non- scientific constituency and public information program directed toward enhancing recovery actions	Ongoing Current	FY 1995 - FY 1999		U.S. National Marine Fisheries Service (NOAA Fisheries), Cooperative Extension Service, Region 4 - Ecological Services, Region 4 - Fisheries, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Other: Information and Education	Contract, Internal Field Assistance, Internal Technical Assistance	1996 costs - FWS 18, other parties 15; 1997 costs - FWS 18, other parties 15; 1998 costs - FWS 18, other parties 5; 1999 costs - FWS 12, other parties 5
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	4.1	Designate and fund Gulf sturgeon recovery lead office	Ongoing Current	FY 1995 - FY 1999		Region 4 - Ecological Services, Region 4 - Fisheries	Management: Planning, Other: Administration	Internal Administrative, Internal Technical Assistance	All years' costs are FWS; Majority of funding provided under other recovery actions
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	4.2	Seek funding for Gulf sturgeon recovery activities	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Region 4 - Ecological Services, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Other	Internal Administrative, Internal Technical Assistance	Funding under existing programs
Gulf sturgeon (Acipenser oxyrinchus desotoi)	2	4.3	Implement projects or actions which will achieve recovery plan objectives	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Region 4 - Ecological Services, Region 4 - Gulf Coast Fisheries Coordination Office, Gulf States Resource Management Agencies, Gulf States Marine Fisheries Commission	Management, Other, Research	Contract, Internal Field Assistance, Internal Technical Assistance	Individual project funding ID elsewhere in schedule

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Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	4.4	Develop and implement a program to monitor levels and habitat conditions of known populations in the management units as well as newly discovered, introduced, or expanding populations	Ongoing Current	FY 1995 - FY 1999		National Biological Service , Region 4 - Ecological Services, Region 4 - Fisheries Resource Office - Panama City, Gulf States Resource Management Agencies, Caribbean Conservation	,	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	1995 costs - FWS 6, other parties 30; 1996 costs - FWS 10, other parties 30; 1997 costs - FWS 6, other parties 30; 1998 costs - FWS 10, other parties 30; 1999 costs - FWS 6, other parties 30
Gulf sturgeon (Acipenser oxyrinchus desotoi)	3	5.1	Assess overall success of the recovery program and recommend action	Ongoing Current	FY 1995 - FY 1999		Region 4 - Ecological Services		Internal Technical Assistance	All years' costs are FWS